

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/578,248
Source: ITWDP
Date Processed by STIC: 5/5/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

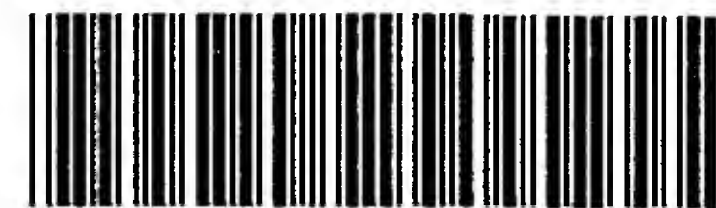
SERIAL NUMBER:

SERIAL NUMBER: 10578/290

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | |
|----|--|--|
| 1 | _____ Wrapped Nucleics
_____ Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping." |
| 2 | _____ Invalid Line Length | The rules require that a line not exceed 72 characters in length. This includes white spaces. |
| 3 | _____ Misaligned Amino
_____ Numbering | The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead. |
| 4 | _____ Non-ASCII | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text. |
| 5 | _____ Variable Length | Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. |
| 6 | _____ PatentIn 2.0
_____ "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 7 | _____ Skipped Sequences
(OLD RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. |
| 8 | _____ Skipped Sequences
(NEW RULES) | Sequence(s) _____ missing. If intentional , please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 9 | _____ Use of n's or Xaa's
(NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents. |
| 10 | _____ Invalid <213>
_____ Response | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence |
| 11 | _____ Use of <220> | Use of <220> to <223> is MANDATORY if <213> " <u>Organism</u> " response is " <u>Artificial Sequence</u> " or " <u>Unknown</u> ." <u>Please explain source of genetic material in <220> to <223> section.</u>
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) |
| 12 | _____ PatentIn 2.0
_____ "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. |
| 13 | _____ Misuse of n/Xaa | "n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u> |



IFWP

RAW SEQUENCE LISTING

DATE: 05/15/2006

PATENT APPLICATION: US/10/578,248

TIME: 09:49:29

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF4\05152006\J578248.raw

3 <110> APPLICANT: University of Nevada, Reno
 4 Tam-Chang, Suk-Wah
 5 Hunter, Kenneth W
 6 Publicover, Nelson G
 8 <120> TITLE OF INVENTION: IMPROVED METHODS FOR DETECTING AND MEASURING SPECIFIC
 NUCLEIC
 9 ACID SEQUENCES
 11 <130> FILE REFERENCE: 031673-002001
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/578,248
 C--> 13 <141> CURRENT FILING DATE: 2006-05-04
 13 <150> PRIOR APPLICATION NUMBER: 60/517,399
 14 <151> PRIOR FILING DATE: 2003-11-06
 16 <160> NUMBER OF SEQ ID NOS: 11
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 20
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Unknown
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Artificial
 28 <400> SEQUENCE: 1
 29 aaaatccacc caccaccacc
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 20
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Unknown
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Artificial
 40 <400> SEQUENCE: 2
 41 ggggtggggtg ggtggatttt
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 79
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Unknown
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Artificial
 52 <400> SEQUENCE: 3
 53 ggggtggggtg ggtggatttt cccaaactta cggatcgtgg gtgcttccgt aagtttgggc
 55 ccctcctcct ccctcctcc
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 79
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Unknown
 63 <220> FEATURE:

Does Not Comply
 Corrected Diskette Needed
 (pg. 1-3)

Invalid
 Response

Invalid
 Response

Invalid
 Response

20

20

60
79

See
 item
 #11
 on error
 summary
 sheet.

↑ FYI:
 P/s explain source of
 genetic material if (213)
 response is Artificial OR
 Unknown. 5/15/2006

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,248

DATE: 05/15/2006

TIME: 09:49:29

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF4\05152006\J578248.raw

Same errors

64 <223> OTHER INFORMATION: Artificial

66 <400> SEQUENCE: 4

67 ggggtggggtg ggtggatttt aaaaaactta cggatcgtgg gtgcttccgt aagttttttc 60

69 ccctcctcct ccctcctcc 79

72 <210> SEQ ID NO: 5

73 <211> LENGTH: 24

74 <212> TYPE: DNA

75 <213> ORGANISM: Unknown

77 <220> FEATURE:

78 <223> OTHER INFORMATION: Artificial

80 <400> SEQUENCE: 5

81 cccaaactta cggaagcacc cacg 24

84 <210> SEQ ID NO: 6

85 <211> LENGTH: 67

86 <212> TYPE: DNA

87 <213> ORGANISM: Unknown

89 <220> FEATURE:

90 <223> OTHER INFORMATION: Artificial

92 <400> SEQUENCE: 6

93 ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60

95 atctttg 67

98 <210> SEQ ID NO: 7

99 <211> LENGTH: 20

100 <212> TYPE: DNA

101 <213> ORGANISM: Unknown

103 <220> FEATURE:

104 <223> OTHER INFORMATION: Artificial

106 <400> SEQUENCE: 7

107 ggaggaggga ggaggagggg 20

110 <210> SEQ ID NO: 8

111 <211> LENGTH: 70

112 <212> TYPE: DNA

113 <213> ORGANISM: Unknown

115 <220> FEATURE:

116 <223> OTHER INFORMATION: Artificial

118 <400> SEQUENCE: 8

119 ggggtgggtg gtggttattt tcccttacat egtgggtgct tccgtaaggg tgggagggag 60

121 ggaggagagag 70

124 <210> SEQ ID NO: 9

125 <211> LENGTH: 67

126 <212> TYPE: DNA

127 <213> ORGANISM: Unknown

129 <220> FEATURE:

130 <223> OTHER INFORMATION: Artificial

132 <400> SEQUENCE: 9

133 ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60

135 atctttg 67

138 <210> SEQ ID NO: 10

139 <211> LENGTH: 15

See item #11

on error

Summary Sheet.

RAW SEQUENCE LISTING

DATE: 05/15/2006

PATENT APPLICATION: US/10/578,248

TIME: 09:49:29

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF4\05152006\J578248.raw

140 <212> TYPE: DNA

141 <213> ORGANISM: Unknown

143 <220> FEATURE:

144 <223> OTHER INFORMATION: Artificial

146 <400> SEQUENCE: 10

147 ggaagcaccc acgat

150 <210> SEQ ID NO: 11

151 <211> LENGTH: 15

152 <212> TYPE: DNA

153 <213> ORGANISM: Unknown

155 <220> FEATURE:

156 <223> OTHER INFORMATION: Artificial

158 <400> SEQUENCE: 11

159 ggaagaaccc acgat

Same
error

15

Same
error

15

VERIFICATION SUMMARY

DATE: 05/15/2006

PATENT APPLICATION: US/10/578,248

TIME: 09:49:30

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF4\05152006\J578248.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date